

ATTACHMENT

U.S. Application Serial No.: 10/165,460
Attorney Docket No.: 22220-06963

PENDING CLAIMS OF RELATED APPLICATION:

1. (Cancelled)
2. A method for connecting a graft conduit to the aorta in a patient's body, the method comprising:
forming an incision in the body of the patient to expose a femoral artery;
extending through the incision toward the aorta an elongated surgical instrument including a lumen therein between distal and proximal ends thereof;
performing an aortotomy at a site along the aorta through the lumen of the surgical instrument;
positioning one end of the graft conduit at the site through the lumen of the surgical instrument;
forming an anastomosis of the one end of the graft conduit with the aorta at the site of the aortotomy; and

attaching another end of the graft conduit to a blood vessel in the body of the patient.

3. (Cancelled)
4. The method according to claim 2 in which the graft conduit includes a body portion and an end portion, and in which forming an anastomosis includes positioning the the end portion along the aorta with the body portion protruding through the aortotomy; and including attaching the end portion of the graft conduit to the aorta with the body portion protruding outside the aorta.
5. The method according to claim 4 in which the graft conduit is collapsed to dimension smaller than the sectional dimension of the aorta, and positioning the graft conduit includes expanding the end portion of the graft conduit into contact with the walls of the aorta to secure the body portion of the graft conduit in position through the aortotomy.
6. The method according to claim 5 in which positioning the stent also includes inserting the collapsed graft conduit intralumenally within the aorta from a location downstream of the site.
7. The method according to claim 2 including expanding a balloon within the aorta to urge the one end of the graft conduit into contact with the walls of the aorta in response to fluid under pressure supplied to the balloon.

8. The method according to claim 7 further including installing a fluid conduit along a portion of the aorta downstream of the aortotomy for supplying fluid under pressure to inflate the balloon.

9. The method according to claim 8 in which the fluid conduit is disposed intralumenally along the downstream portion of the aorta between the site and a location along a femoral artery.

10. (Cancelled)

11. A method for implanting a graft conduit in communication with the aorta in the body of a patient, comprising:
forming an incision in the body of the patient for accessing the aorta;
inserting the graft conduit through said incision toward a site along the aorta;

anastomosing one end of the graft conduit to the aorta at the site; and
anastomosing another end of the graft conduit to a blood vessel in the body.

12. The method according to claim 11 performed with the graft conduit in collapsed configuration, further comprising:

installing the the graft conduit in collapsed configuration in the region of the site within the aorta; and

expanding the graft conduit to contact walls of the aorta in the region of the site.

13. The method according to claim 12 in which the graft conduit is introduced into the aorta at a location below the site for transfer between the location and the site.

14. The method according to claim 12 in which the graft conduit in collapsed configuration is expanded and urged into contact with the aorta walls in response to a balloon disposed to expand under fluid pressure supplied thereto.

15. The method according to claim 14 in which fluid under pressure is supplied to the balloon along a channel that extends intralumenally within a vessel between the balloon and a downstream location along the vessel.

16. (Cancelled)

17. The method according to claim 11 in which the incision exposes femoral artery, and in which another end of the graft conduit is anastomosed to the femoral artery as the blood vessel exposed through the incision.

18. The method according to claim 11 in which the incision is formed below the inguinal ligament to expose the region between the inguinal ligament and the femoral artery.

19. The method according to claim 18 in which the graft conduit is exposed within said region; and

another end of the graft conduit is anastomosed to the femoral artery below the inguinal ligament.